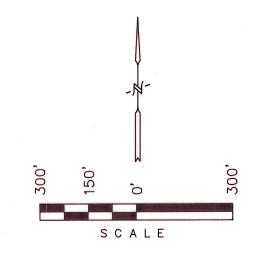
PENNZOIL EXPLR. & PROD. CO.

PROPOSED SALT WATER DISPOSAL PIPELINE RIGHT-OF-WAY

(From the Ballard #2-15B1 Well Site)

LOCATED IN SECTION 15, T2S, R1W, U.S.B.&M. DUCHESNE & UINTAH COUNTIES, UTAH



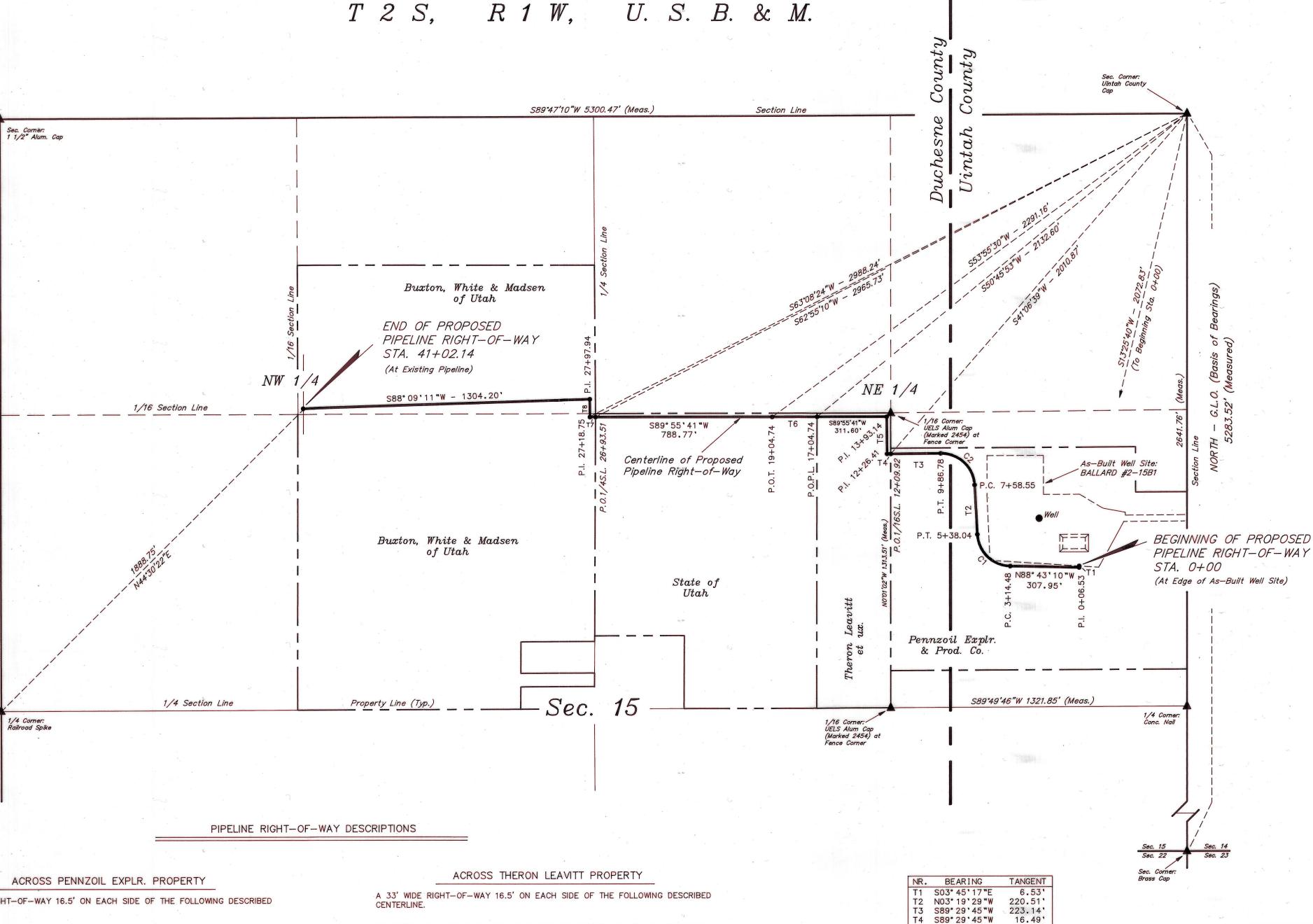
= SECTION CORNERS LOCATED. = POINT ON PROPERTY LINE = POINT ON TANGENT

SURVEYOR'S NARRATIVE

WE WERE REQUESTED BY PENNZOIL EXPLORATION PRODUCTION CO. TO SURVEY THE LOCATION OF A PROPOSED SALT WATER DISPOSAL PIPELINE SERVING THE BALLARD #2-15B1 WELL SITE LOCATED IN THE NE 1/4 OF SECTION 15, T2S, R1W, U.S.B.&M. THE PIPELINE RUNS WESTERLY TO AN EXISTING PIPELINE IN THE NW 1/4

AS CONTROL FOR THIS SURVEY WE USED THE SECTION CORNERS SHOWN HEREON. USING FIELD MEASUREMENTS WE RE-ESTABLISHED THE POSITION OF THE WEST AND SOUTH LINES OF THE SE 1/4 NE 1/4 OF SECTION 15. THE POSITION OF OTHER INTERNAL SECTION LINES AND PROPERTY LINES WERE DETERMINED BY COMBINING G.L.O. INFORMATION WITH FIELD MEASUREMENTS.

AS BASIS OF BEARINGS WE ASSUMED THE G.L.O. BEARING OF NORTH ALONG THE EAST LINE OF SECTION 15.



ACROSS PENNZOIL EXPLR. PROPERTY

A 33' WIDE RIGHT-OF-WAY 16.5' ON EACH SIDE OF THE FOLLOWING DESCRIBED

BEGINNING AT A POINT IN THE SE 1/4 NE 1/4 OF SECTION 15, T2S, R1W, U.S.B.&M. WHICH BEARS S13'25'40"W 2072.83' FROM THE NORTHEAST CORNER OF SAID SECTION, THENCE S03'45'17"E 6.53'; THENCE N88'43'10"W 307.95' TANGENT TO AND TO THE BEGINNING OF A CURVE TO THE RIGHT, HAVING A DELTA ANGLE OF 85'23'41" AND A RADIUS OF 150.00'; THENCE ALONG SAID CURVE AN ARC DISTANCE OF 223.56'; THENCE NO3'19'29"W 220.51' TANGENT TO AND TO THE BEGINNING OF A CURVE TO THE LEFT, HAVING A DELTA ANGLE OF 87'10'45" AND A RADIUS OF 150.00'; THENCE ALONG SAID CURVE AN ARC DISTANCE OF 228.23'; THENCE S89'29'45"W 223.14' TO A POINT ON THE WEST LINE OF THE SAID SE 1/4 NE 1/4 WHICH BEARS S41'06'39"W 2010.87' FROM THE SAID NORTHEAST CORNER OF SECTION 15. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE EAST LINE OF SAID SECTION 15 WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR NORTH. CONTAINS 0.92 ACRES MORE OR LESS.

ACROSS STATE OF UTAH PROPERTY

A 33' WIDE RIGHT-OF-WAY 16.5' ON EACH SIDE OF THE FOLLOWING DESCRIBED

BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 15, T2S, R1W, U.S.B.&M. WHICH BEARS S53'55'30"W 2291.16' FROM THE NORTHEAST CORNER OF SAID SECTION, THENCE N89°55'41"E 200.00' MORE OR LESS TO A POINT ON THE GRANTOR'S EAST PROPERTY LINE WHICH POINT IS COMPUTED TO BEAR \$50.45'53"W 2132.60' FROM THE SAID NORTHEAST CORNER OF SECTION 15. ALSO, FROM SAID POINT OF BEGINNING THENCE S89'55'41"W 788.77' MORE OR LESS TO A POINT ON THE WEST LINE OF THE SAID SW 1/4 NE 1/4 WHICH POINT IS COMPUTED TO BEAR S62'55'10"W 2965.73' FROM THE SAID NORTHEAST CORNER OF SECTION 15. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE EAST LINE OF SAID SECTION 15 WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR NORTH. CONTAINS 0.75 ACRES MORE OR LESS.

BEGINNING AT A POINT ON THE EAST LINE OF THE SW 1/4 NE 1/4 OF SECTION 15, T2S, R1W, U.S.B.&M. WHICH BEARS S41'06'39"W 2010.87' FROM THE NORTHEAST CORNER OF SAID SECTION, THENCE S89'29'45"W 16.49'; THENCE N00'31'57"W 166.73'; THENCE S89'55'41"W 311.60' MORE OR LESS TO A POINT ON THE GRANTOR'S WEST PROPERTY LINE WHICH POINT IS COMPUTED TO BEAR S50°45'53"W 2132.60' FROM THE SAID NORTHEAST CORNER OF SECTION 15. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE EAST LINE OF SAID SECTION 15 WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR NORTH. CONTAINS 0.37 ACRES MORE OR LESS.

ACROSS BUXTON, WHITE & MADSEN PROPERTY

A 33' WIDE RIGHT-OF-WAY 16.5' ON EACH SIDE OF THE FOLLOWING DESCRIBED

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 15, T2S, R1W, U.S.B.&M. WHICH BEARS S63'08'24"W 2988.24' FROM THE NORTHEAST CORNER OF SAID SECTION, THENCE N89'55'41"E 25.24' MORE OR LESS TO A POINT ON THE EAST LINE OF THE SAID SE 1/4 NW 1/4 WHICH POINT IS COMPUTED TO BEAR S62'55'10"W 2965.73' FROM THE SAID NORTHEAST CORNER. ALSO, FROM SAID POINT OF BEGINNING THENCE NOO'18'51"W 79.19'; THENCE S88'09'11"W 1304.20' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION WHICH BEARS N44'30'22"E 1888.75' FROM THE WEST 1/4 CORNER OF SAID SECTION 15. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE EAST LINE OF SAID SECTION 15 WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR NORTH. CONTAINS 1.07 ACRES MORE OR LESS.

		T8 N00° 18	5'51"W 7	9.19'		
J					N	PROPERTY OWNER
				· · · · · · · · · · · · · · · · · · ·		PENNZOIL EXPLR.
						THERON LEAVITT
	·					STATE OF UTAH
NR.	DELTA	RADIUS	TANGENT	ARC	CHORD	BUXTON, WHITE & MADSE
C1	85° 23' 41"	150.00	138.40'	223.56	203.44'	BOXTON, WITTE & MADSE
C2	87° 10' 45"	150.00	142.79'	228.23	206.85	

FILE NO. ____FEE PAID \$ ____ AT THE REQUEST OF UINTAH ENGINEERING AND LAND SURVEYING, THIS ____DAY

T5 N00° 31' 57"W 166.73'

T6 S89°55'41"W 200.00'

T7 S89°55'41"W 25.24'

DUCHESNE COUNTY SURVEYOR'S CERTIFICATE

THE DUCHESNE COUNTY SURVEYOR, HAS CHECKED THIS PLAT FOR FORM AND ADHERANCE TO THE STATE OF UTAH REQUIREMENTS FOR ITEMS TO BE ON A SURVEYOR'S PLAT FOR RECORDING WITH THE COUNTY SURVEYORS OFFICE, ON THIS _____ DAY

> DUCHESNE COUNTY SURVEYOR

FILE NO. _____FEE PAID \$ _____AT THE REQUEST OF UINTAH ENGINEERING AND LAND SURVEYING, THIS ____DAY

RIGHT-OF-WAY LENGTHS

, 209.92

494.82

988.77

,408.63

RODS

73.33

29.99

59.93

85.37

UINTAH COUNTY SURVEYORS CERTIFICATE

OF_____, 19___

THE UINTAH COUNTY SURVEYOR, HAS CHECKED THIS PLAT FOR FORM AND ADHERANCE TO THE STATE OF UTAH REQUIREMENTS FOR ITEMS TO BE ON A SURVEYOR'S PLAT FOR RECORDING WITH THE COUNTY SURVEYORS OFFICE, ON THIS _____ DAY

> DEPUTY UINTAH COUNTY SURVEYOR

CERTIFICATE THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF No. 5709 REGISTERED LAND SURVEYOR REGISTRATION NO. 5709 STATE OF UTAH

Duchesne County Surveyors File # 369 REVISED: 9-9-93 T.D.H.

PHONE:	NG & LAND SURVEYING (801) 789–1017			
85 SOUTH 200 EAST	T - VERNAL, UTAH 84078			
SCALE:	DATE SURVEYED: DATE DRAWN:			
1" = 300' (See Bar)	5-10-93 5-19-93			
SURVEYED BY:	DRAWN BY:			
L.D.T. R.A.	J.R.S.			
WEATHER:	FILE:			
WARM	2 2 2 1 4			